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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Chun-Yang Hsiao, et al. : Group  
Serial No: 09/990,273 : Art Unit #2633  
Filed: 23 November 2001 : Examiner:  
Title: ULTRASONIC AND INFRARED : D.S. Kim  
TRANSMITTER WITH TUNABLE  
CARRIER FREQUENCY :

**AMENDMENT AFTER FINAL OFFICE ACTION**

Mail Stop AF  
Honorable Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

*Do not enter these  
amendments DSK*

*13 FEBRUARY 2006*

Sir:

Responsive to the Final Official Action dated 3 November 2005, please  
amend the above-referenced Patent Application as follows:

Amendments to the Claims are reflected in the Listing of Claims which  
begins on page 2 of this paper.

Amendments to the Drawings begin on page 5 of this paper and includes  
one replacement sheet.

Remarks begin on page 6 of this paper.

An Appendix including a replacement Drawing of Fig. 5 is attached  
following page 8 of this paper.